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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/825,664	04/03/2001	David R. Hembree	MI22-1680/US	4481	
21567 75	90 07/24/2002				
WELLS ST. JOHN ROBERTS GREGORY & MATKIN P.S. 601 W. FIRST AVENUE SUITE 1300			EXAMINER		
			NGUYEN, VINH P		
SPOKANE, WA	A 99201-3828		ART UNIT	PAPER NUMBER	
	•	2829			
			DATE MAILED: 07/24/2002		

Please find below and/or attached an Office communication concerning this application or proceeding.

·		Applicati n	No.	Applicant(s)				
Office Action Summary		09/825,664		HEMBREE, DAVID R.	٠١.			
		Examiner		Art Unit	U ^h			
		VINH P NGL		2829				
Th MAILING DATE of this communication app ars on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status	Responsive to communication(s) filed on 10 M	May 2002						
1)[\]		is action is no	n-final					
2a)⊠	· —			procedution as to the merits	ie			
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
•	ion of Claims							
4)⊠ Claim(s) 14-17 and 53-67 is/are pending in the application.								
4a) Of the above claim(s) is/are withdrawn from consideration.								
5)	Claim(s) is/are allowed.							
6)⊠	6)⊠ Claim(s) <u>14-17 and 53-67</u> is/are rejected.							
7)	Claim(s) is/are objected to.							
-	Claim(s) are subject to restriction and/or	r election req	uirement.					
	ion Papers							
<i>,</i> —	The specification is objected to by the Examine		to a same books a Fr					
10)[The drawing(s) filed on is/are: a) accep							
44)	Applicant may not request that any objection to the							
11)[The proposed drawing correction filed on		,— .,	proved by the Examiner.				
If approved, corrected drawings are required in reply to this Office action.								
12) The oath or declaration is objected to by the Examiner.								
Priority under 35 U.S.C. §§ 119 and 120								
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).								
a) All b) Some * c) None of:								
	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No							
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).								
a) ☐ The translation of the foreign language provisional application has been received. 15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.								
Attachment(s)								
2) Notic	te of References Cited (PTO-892) te of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449) Paper No(s) <u>7-</u>	5		ary (PTO-413) Paper No(s) al Patent Application (PTO-152)				

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1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 14-17,563-67 are rejected under 35 U.S.C. 103(a) as being unpatentable over Smith (Pat # 5,475,317).

As to claims 14-15,17,54,55,60-62,65,67, Smith discloses an apparatus as shown in figure 3 having a die (2) with electrical couplings (2a), a chuck (10) with electrical couplings (10a) and an intermediate member (4,6) with electrical couplings (4a,4b,4d) and interconnects (4c) adapted to receive the die (2) and to electrically connect the electrical coupling of the die with the electrical coupling (10a) of the chuck (10). It would have been obvious for one of ordinary skill in the art to recognize that the die (2) is an electronic device wafer. As to claims 16,59 and 66, it would have been obvious for one of ordinary skill in the art to consider that a selection for the electrical interconnect such as "pogo pin" would have been an obvious design choice since this is an alternative type of interconnect using for conducting electrical signals. As to claims 53, 57 and 64, the interconnect member (4,6) are made of ceramic, therefore this material is considered as substantially nonconductive material. As to claims 56 and 63, it appears that an outwardly exposed surface of the electrical coupling (2a) of the die (2) or electronic device wafer is substantially coplanar with the surface of the die or electronic device wafer.

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3. Applicant's arguments with respect to claims 14-17 filed on 05/10/02 have been considered but are moot in view of the new ground(s) of rejection.

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VINH P. NGUYEN whose telephone number is (703) 305-4914.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-4900.

VINH P. NGUYEN PRIMARY EXAMINER ART UNIT 2829

RT UNIT 2829 07/23/2002